



**U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric  
Administration**

National Ocean Service  
Office of Ocean Resource Conservation and Assessment  
Hazardous Materials Response and Assessment Division  
7600 Sand Point Way N.E. - Bin C15700  
Seattle, Washington 98115

DATE: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

TO: \_\_\_\_\_

FROM: \_\_\_\_\_

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**VENDORS OF PORTABLE METEOROLOGICAL MEASUREMENT STATIONS  
FOR USE WITH ALOHA™**

For use with ALOHA, the air dispersion model included in the CAMEO™ hazardous chemical information management software package, a portable meteorological monitoring station must meet several design criteria. The station must measure wind speed and direction and air temperature. Sensors should be scanned every 2 seconds. Every 30 seconds, the station must transmit a data line to ALOHA in comma-delimited, free-field format. Each data line should include (in order): a carriage return, a line feed, a station ID number, the vector mean wind speed, averaged over 5 minutes (in  $\text{m s}^{-1}$ ), the vector mean wind direction, averaged over 5 minutes (in degrees), the standard deviation of the wind direction (in degrees), the mean air temperature, averaged over 5 minutes (in  $^{\circ}\text{C}$ ), the instantaneous wind speed (in  $\text{m s}^{-1}$ ), the instantaneous wind direction (in degrees), the instantaneous air temperature (in  $^{\circ}\text{C}$ ), battery voltage (in volts), the ASCII sum of all preceding characters in the data line, including the carriage return and line feed (ALOHA uses this value as an error check), and a final comma. Wind direction should be the direction *from* which the wind is blowing. Although a station ID number must be included in each data transmission, ALOHA does not use this value.

We are aware of seven vendors who advertise that their portable meteorological stations have been configured to work with ALOHA. We have not formally tested these products and cannot guarantee these claims, nor can we guarantee that the vendors listed below are the only vendors of ALOHA-compatible stations.

1) Campbell Scientific Company  
Attn: Curt Maughn  
815 W 1800 North  
Logan, UT 84321-1784  
Phone: (435) 753-2342  
Fax: (435) 752-3268  
Web: [www.campbellsci.com](http://www.campbellsci.com)

2) Climatronics Corporation - METRAC  
Attn: Dave Gilmore  
140 Wilbur Place  
Bohemia, NY 11716  
Phone: (516) 567-7300  
Fax: (516) 567-7585  
E-mail: [sales@climatronics.com](mailto:sales@climatronics.com)  
Web: [www.climatronics.com/](http://www.climatronics.com/)



3) Coastal Environmental Systems  
Weatherpak and C-5 SAM  
Attn: Todd Jones  
820 1st Ave. S.  
Seattle, WA 98134  
Phone: (206) 682-6048 or  
1-800-488-8291  
Fax: 206-682-5658  
Email: [tjones@coastalenvironmental.com](mailto:tjones@coastalenvironmental.com)  
[www.coastalenvironmental.com](http://www.coastalenvironmental.com)

5) RainWise, Inc.  
25 Federal St.  
Bar Harbor, ME 04609  
Phone: (207) 288-5169  
Fax: (207) 288-3477  
Email: [sales@rainwise.com](mailto:sales@rainwise.com)  
Web: [www.rainwise.com](http://www.rainwise.com)

7) R.M. Young Company  
Attn: John C. Campbell  
2801 Aero Park Drive  
Traverse City, MI 49686  
Phone: (231) 946-3980  
Fax: (231) 946-4772  
Email: [met.sales@youngusa.com](mailto:met.sales@youngusa.com)  
Web: [www.youngusa.com](http://www.youngusa.com)

4) Qualimetrics, Inc.  
TAMS  
Attn: Bernard Kirby  
1165 National Drive  
Sacramento, CA 95834  
Phone: (916) 928-1000  
Fax: (916) 928-1165  
Email: [marketing@qualimetrics.com](mailto:marketing@qualimetrics.com)  
Web: [www.qualimetrics.com](http://www.qualimetrics.com)

6) Scientific Sales, Inc.  
Attn: Brian R. Maziarz  
P. O. Box 6725  
Lawrenceville, NJ 08648  
Phone: (609) 844-0055 or  
1-800-788-5666  
Fax: (609) 844-0466  
Email: [sciensales@aol.com](mailto:sciensales@aol.com)  
Web: [www.scientificsales.com](http://www.scientificsales.com)